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MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

DKE10A SERIES

Jameco Part ☐
Number 217031 ☐
(DKE10A-05)

.2:1 WIDE INPUT RANGE
.4:1 INPUT IS AVIALABLE
.REGULATED DC OUTPUT
.1K VDC I/P ISOLATION
1K-3KVDC ISOLATION (OPTIONAL)
.LOW PROFILE / SMALL SIZE
.EPOXY ENCAPSULATED

.SIX-SIDED SHIELD OF METAL CASE
.HIGH PERFORMACE / LOW COST
.SHORT CIRCUIT PROTECTION
.OVER CURRENT PROTECTION
.FREE AIR CONVECTION
.100% BURN-IN TEST
.1 YEAR WARRANTY



MODEL				
SPECIFICATION	DKE10A-05	DKE10A-12	DKE10A-15	DKE10A-24
DC OUTPUT VOLTAGE	±5V	±12V	±15V	±24V
OUTPUT VOLTAGE ACCURACY	±2%			
OUTPUT RATED CURRENT	±1000mA	±420mA	±333mA	±210mA
OUTPUT CURRENT RANGE	100~±1000mA	42~±420mA	33.3~±333mA	21~±210mA
RIPPLE & NOISE	50mVp-p	60mVp-p	60mVp-p	80mVp-p
LINE REGULATION	±0.3%	±0.3%	±0.3%	±0.3%
LOAD REGULATION	±0.5%	±0.5%	±0.5%	±0.5%
DC OUTPUT POWER	10W	10W	10W	10W
EFFICIENCY	78%	80%	82%	82%
SWITCHING FREQUENCY	250KHz (TYPICAL)			
INPUT VOLTAGE RANGE	9~18VDC			
INPUT CURRENT	1.1A/12VDC; 30mA @ NO LOAD (TYPICAL)			
SHORT CIRCUIT PROTECTION	CONTINUOUS			
OVER CURRENT PROTECTION	160~250% AUTO RECOVERY			
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)			
ISOLATION VOLTAGE	I/P-O/P:1K VDC MIN.			
ISOLATION RESISTANCE	I/P-O/P:100M Ohms MIN. @500VDC			
TRANSIENT RESPONSE	<250u sec. FOR 25% LOAD STEP CHANGE			
WORKING TEMP., HUMIDITY	-15°C~+60°C, 20%~90% RH (NO DERATING); 80% LOAD @ 71°C			
STORAGE TEMP., HUMIDITY	-25°C~+85°C, 10%~95% RH			
DIMENSION	2"*1"*0.44"			
WEIGHT	32g			
CASE MATERIAL	SIX-SIDED SHIELD OF METAL CASE			
MECHANISM AND PIN CONFIGURATION	</			

NOTE : 1.ALL PARAMETERS ARE SPECIFIED AT RATED INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
3.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
4.LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD.

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